

**Details of Research Publications**

S.No	Name of the Faculty	Title of the Paper	National Conference /International Conference/National Journal/International Journal	Details of Research Publications	Name of Journal/Conference
1	Dr. Babita Tyagi	"Inequalities Describing The Growth Of Polynomials"	International Journal	Vol. 22(1), 2017, 87-98.	Non-Linear Functional analysis and application
		Inequality for Derivatives of Rational functions"	International Journal	DOI:http://10.1080/09720502.2015.1033837. (SCOPUS Indexed)ISSN 2224-5804 (Paper) ISSN 2225-0522 (online) Vol-4 No3 2014.	Journal of Interdisciplinary Mathematics
		An inventory model with partial backordering, weibull distribution deterioration under two level of storage	International Journal	http://www.ijcaonline.org/archives/volume129/number16/23157-2015907008 ISBN : 973-93-80890-05-2Volume 129 – No.16, November 2015, pp.15-22.	International Journal of Computer Applications
		Two warehouse inventory model with ramp type demand and partial backordering for weibull distribution deterioration	International Journal	http://www.ijcaonline.org/archives/volume140/number4/24581-2016909273 ISBN : 973-93-80891-80-1 Volume 140 – No.4, April, 2016, pp.15-25.	International Journal of Computer Applications
		Effect of inflation on a two ware-house inventory model for deteriorating items with time varying demand and shortages	International Journal	Accepted for publication in International Journal of Procurement Management, Scopus Journal, INDRESCIENCE (DOI: 10.1504/IJPM.2017.10007942) Vol. 10 No. 6 pp. 761-775 (2017)	International Journal of Procurement Management
		Inequalities of rational functions with prescribed poles	International Journal	DOI: 10.1080/09720502.2015.1033837 pp 157_169	Journal of interdisciplinary mathematics
2	Dr.Sharmistha Ghosh	An Inventory Model for Non-Instantaneous Deteriorating Items with Variable Holding Cost under Two Ware-Houses	International conference	Proceedings of 2nd International Conference On October, 30-31, 2015; ISBN:978-93-84869-85-4)pp. no.483-498.	Recent developments in Science, Engineering and Technology
		Dependency Preservation and Lossless Join Decomposition in Fuzzy Normalization	International Conference	IEEE Xplore - 2015(Scopus), pp. 294-298	International Conference on Computing, Communication and Automation (ICCCA2015)
		Query Processing of Inconsistent Data using Neutrosophic Set	International Conference	IEEE Xplore - 2016(Scopus), pp. 19-22	International Conference on Computing, Communication and Automation (ICCCA2016)
		A Perspective of Mathematics Research in India	International Workshop	Invited Talk at Fraunhofer ITWM, GERMANY	International Workshop on "Future of Mathematics" (2015)
3	Dr. Alok Tripathi	A Relational Database Model based on Neutrosophic Set Theory	International Conference	Invited Talk at Tribhuban University, NEPAL	International Conference on "Applications of Mathematics to Non-linear Sciences" (AMNS2016)
		The relation between Bessel wavelet convolution product and Hankel convolution product involving Hankel transform	International Journal	Vol. 15(4), 2017,	International Journal of Wavelet and multiresolution and information processing
		Approximation in Watson wavelet transform	International Journal	Vol 39(1), 2015, pp 149-162	Southeast asian bulletin of Mathematics
4	Dr.Aradhana Dutt Jauhari	Calderon's Reproducing formula for Watson Wavelet Transform	International Journal	Vol 46(3), 2015, pp. 269-277	Indian Journal of Pure and Applied Mathematics
		APPROXIMATION OF SIGNALS BELONGING TO THE GENERALIZED WEIGHTED $W(L_r, \xi(t), r \geq 1)$ CLASS BY PRODUCT SUMMABILITY $(C,1)(N,p_n)$ MEANS OF CONJUGATE SERIES OF A FOURIER SERIES	International Journal	ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol.: 11, Issue.: 2(2016)	Asian Journal of Mathematics and Computer Research
5	Dr. Sushant Shekhar	Product of SUMMABILITY OF AN ORTHOGONAL SERIES	International Journal	ISSN 2230-9888, Vol. 5 Number 1 (2015) pp. 1-6.	International Journal of Mathematical Sciences and Applications
		A New Theorem On Summability Of An Orthogonal Series	International Conference	June 29- July 1st16	Indian Women and Mathematics (IWM Annual Conference-2016)
		Reflection and Refraction of Attenuated Waves at the Interface between Cracked Poroeastic Medium and Porous Solid Saturated with Two Immiscible Fluids.	International Journal	113:405–430 (2016)	Transport in Porous media-Springer
		Propagation of Torsional Surface Waves in an Inhomogeneous Anisotropic Fluid Saturated Porous Layered Half Space under Initial Stress with Varying Properties	International Journal	40:1300–1314 (2016)	Applied Mathematical Modelling-Elsevier
		Propagation of Torsional Surface Waves in a Double Porous Layer lying over a Gibson Half Space	International Journal	80:56–64 (2016)	Soil Dynamics and Earthquake Engineering-Elsevier
6	Dr. Ahmadur Rahman	Wave Propagation across the Imperfectly Bonded Interface between Cracked Elastic Solid and Porous Solid Saturated with Two Immiscible Viscous Fluids	International Journal	75-76:299-308 (2015)	International Journal of Solids and Structures-Elsevier
		Parameter Estimation of Mukherjee-Islam Model under Step-Stress Partially Accelerated Life Tests with Failure Constraint	International Journal	No. 4(43), Vol.11, December 2016	Reliability, Theory & Applications
		Analysis of Exponentiated Exponential Model under Step Stress Partially Accelerated Life Testing Plan using Progressive Type-II Censored Data	International Journal	Forthcoming in Volume 40	Revista Investigacion Operacional
		Statistical Analysis for type-I progressive hybrid censored data from Burr Type-XII Distribution under Step-Stress Partially Accelerated Life Test Model	International Journal	No.3(46), Vol. 12, September 2017	Reliability, Theory & Applications
		Step Stress Partially Accelerated Life Testing Plan for Competing Risk using Adaptive Type-I Progressive Hybrid Censoring	International Journal	Vol. 33(4), 237-248(2017)	Pakistan Journal of Statistics
7	Dr Mahesh Dubey	Step Stress Partially Accelerated Life Testing Plan for Rayleigh Distribution using Adaptive Type-II Progressive Hybrid Censoring	International Journal	Book: Soft Computing: Theories and Applications, 67-77	Advances in Intelligent System and Computing (Springer)
		On fuzzy multiset Automata	International Journal	https://doi.org/10.1007/s12190-015-0924-4	Journal of Applied Mathematics and Computing (Springer)
		Minimal realization of fuzzy behaviour: A bicategoric theoretic approach	International Journal	DOI: 10.3233/IFS-151828	Journal of Intelligent & fuzzy Systems(IOS-Press)
		On the category of quantale semimodule	International Conference	Proceeding of 2nd ICACIE-2017, Accepted	Advances in Intelligent System and Computing (Springer)
		On algebraic charectrization of IF-automata	International Conference	Proceeding of 2nd ICACIE-2017, Accepted	Advances in Intelligent System and Computing (Springer)

**Details of semenars/FDP/Workshop**

S.No.	Name of The Faculty	Date	Topic	Remarks
1	Dr. Sushant Shekhar	5th to 16th December 2016	Thirty-hour workshop on "Universal Human values and Ethics"	Organized by Galgotias University, Greater Noida (U.P.)
		21st to 22nd December, 2015	International conference on Number Theory and Algebraic Geometry	Organized by Dept. of Mathematics Srinivasa Ramanujan Centre, SASTRA University, Kumbakonam (Tamilnadu)